

Amendments To The Claims

After entering the new claims below, please delete claims 1-181. Please add new claims 182-195 as follows:

1-181 (canceled)

182. (new): A method for detecting pregnancy in a bovine animal comprising:
- (a) obtaining a sample from said animal; and
 - (b) detecting at least one pregnancy associated antigen (PAG) selected from the group consisting of BoPAG2, BoPAG4, BoPAG5, BoPAG6, BoPAG7, BoPAG9, boPAG 7v; boPAG9v; boPAG 15; boPAG 16; boPAG 17; boPAG 18; boPAG 19; boPAG 20 or boPAG 21; whereby detection of the PAG indicates that the animal is pregnant.
183. (new): The method of claim 182, wherein said sample is selected from the group consisting of saliva, serum, blood, milk or urine.
184. (new): The method of claim 182, wherein said detecting comprises ELISA.
185. (new): The method of claim 182, wherein said detecting comprises RIA.
186. (new): The method of claim 182, wherein said detecting comprises Western blot.
187. (new): The method of claim 182, wherein detecting is carried out by immunologic detection.
188. (new): The method of claim 187, wherein immunologic detection comprises detection with polyclonal antisera.
189. (new): The method of claim 187, wherein immunologic detection comprises detection with a monoclonal antibody preparation.

190. (new): The method of claim 182, wherein detecting comprises RNA detection.
191. (new): The method of claim 182, further comprising detecting at least two PAGs in said sample.
192. (new): The method of claim 191, further comprising detecting at least three PAGs in said sample.
193. (new): The method of claim 184, wherein said ELISA is a sandwich ELISA comprising binding the PAG to a first antibody preparation fixed to a substrate and a second antibody preparation labeled with an enzyme.
194. (new): The method of claim 193, wherein said enzyme is alkaline phosphatase or horseradish peroxidase.
195. (new): The method of claim 193, wherein said first antibody preparation is monoclonal.
196. (new): The method of claim 193, wherein said first antibody preparation is polyclonal.--